OIPE JC132
MAY 07 2004
PATENT & TRADEMARK OFFICE



# TRANSMITTAL FORM

*(to be used for all correspondence after initial filing)*

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| | | Application Number | 10/678,479 |
| | | Filing Date | October 3, 2003 |
| | | First Named Inventor | Tsukanov, Vladimir |
| | | Art Unit | 2812 |
| | | Examiner Name | To Be Assigned |
| Total Number of Pages in This Submission | 5 | Attorney Docket Number | 011775-013410US |

**ENCLOSURES** ***(Check all that apply)***

| | | |
|---|---|---|
| ☐ Fee Transmittal Form | ☐ Drawing(s) | ☐ After Allowance Communication to Group |
| ☐ Fee Attached | ☐ Licensing-related Papers | ☐ Appeal Communication to Board of Appeals and Interferences |
| ☐ Amendment/Reply | ☐ Petition | ☐ Appeal Communication to Group **(Appeal Notice, Brief, Reply Brief)** |
| ☐ After Final | ☐ Petition to Convert to a Provisional Application | ☐ Proprietary Information |
| ☐ Affidavits/declaration(s) | ☐ Power of Attorney, Revocation Change of Correspondence Address | ☐ Status Letter |
| ☐ Extension of Time Request | ☐ Terminal Disclaimer | ☒ Other Enclosure(s) *(please identify below)*: |
| ☐ Express Abandonment Request | ☐ Request for Refund | Return Postcard, |
| ☒ Information Disclosure Statement | ☐ CD, Number of CD(s) | PTO/SB/08A |
| ☐ Certified Copy of Priority Document(s) | | |
| ☐ Response to Missing Parts/ Incomplete Application | | |
| ☐ Response to Missing Parts under 37 CFR 1.52 or 1.53 | | |

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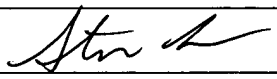
|---|---|
| Remarks | The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430. |

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

| | |
|---|---|
| Firm or Individual | Townsend and Townsend and Crew LLP<br>Steve Y. Cho Reg. No. 44,612 |
| Signature |  |
| Date | May 5, 2004 |

**CERTIFICATE OF TRANSMISSION/MAILING**

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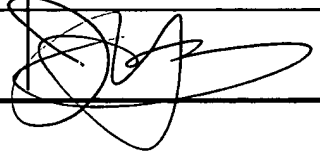
|---|---|---|---|
| Typed or printed name | James Yang | | |
| Signature |  | Date | May 5, 2004 |

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On MAY 5, 2004

TOWNSEND and TOWNSEND and CREW LLP

By: James Yang

PATENT
Attorney Docket No.: 011775-013410US

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

| | |
|---|---|
| In re application of:<br>Vladimir Tsukanov<br>Application No.: 10/678,479<br>Filed: October 3, 2003<br>For: SHALLOW TRENCH POWER MOSFET AND IGBT | Examiner: To Be Assigned<br>Art Unit: 2812<br>INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §1.97 and §1.98 |

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A are being called to the attention of the Examiner. Copies of the references are not enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no

representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

Steve Y. Cho
Reg. No. 44,612

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PTO/SB/08A (08-03)

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

Sheet 1 of 1

| *Complete if Known* | |
|---|---|
| Application Number | 10/678,479 |
| Filing Date | October 3, 2003 |
| First Named Inventor | Tsukanov, Vladimir |
| Art Unit | 2812 |
| Examiner Name | To Be Assigned |
| Attorney Docket Number | 011775-013410US |

## U.S. PATENT DOCUMENTS+

| Examiner Initials* | Cite No.[1] | Document Number: Number Kind Code[2] (*if known*) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|---|---|---|---|---|---|
| | 0001 | US-4,959,699 | 09-25-1990 | Lidow et al. | |
| | 0002 | US-5,008,725 | 04-16-1991 | Lidow et al. | |
| | 0003 | US-5,187,117 | 02-16-1993 | Zommer | |
| | 0004 | US-5,629,552 | 05-13-1997 | Zommer | |
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## FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No.[1] | Foreign Patent Document: Country Code[3] Number[4] Kind Code[5] (*if known*) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T[6] |
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| Examiner Signature | | Date Considered | |
|---|---|---|---|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. [1] **Applicant's** unique citation designation number **(optional)**. [2] Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.